

## EAST Search History

| Ref # | Hits    | Search Query                                                               | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|---------|----------------------------------------------------------------------------|-----------------|------------------|---------|------------------|
| L2    | 3184    | 718/108,106,107.ccls. or 712/228,244, 229,219,218.ccls.                    | US-PGPUB; USPAT | OR               | OFF     | 2006/06/08 12:24 |
| L9    | 3732773 | @ad<"20010820" or @rlad<"20010820"                                         | US-PGPUB; USPAT | OR               | OFF     | 2006/06/08 12:30 |
| L10   | 1860376 | @ad>"20000320" or @rlad>"20000320"                                         | US-PGPUB; USPAT | OR               | OFF     | 2006/06/08 12:29 |
| L11   | 696578  | l10 and l9                                                                 | US-PGPUB; USPAT | OR               | OFF     | 2006/06/08 12:30 |
| L12   | 621     | l2 and l11                                                                 | US-PGPUB; USPAT | OR               | OFF     | 2006/06/08 12:30 |
| L13   | 151     | l2 and l11 and (Multi-thread\$3 or multithread\$3)                         | US-PGPUB; USPAT | OR               | OFF     | 2006/06/08 12:31 |
| L14   | 58      | l2 and l11 and (Multi-thread\$3 or multithread\$3).clm.                    | US-PGPUB; USPAT | OR               | OFF     | 2006/06/08 12:32 |
| L15   | 2       | l2 and l11 and (Multi-thread\$3 or multithread\$3).clm. and flip-flop.clm. | US-PGPUB; USPAT | OR               | OFF     | 2006/06/08 12:32 |
| L16   | 2       | l2 and l11 and (thread\$3).clm. and flip-flop.clm.                         | US-PGPUB; USPAT | OR               | OFF     | 2006/06/08 12:32 |
| L17   | 2       | l11 and (Multi-thread\$3 or multithread\$3).clm. and flip-flop.clm.        | US-PGPUB; USPAT | OR               | OFF     | 2006/06/08 12:33 |
| L18   | 288     | l11 and (Multi-thread\$3 or multithread\$3).clm.                           | US-PGPUB; USPAT | OR               | OFF     | 2006/06/08 12:32 |
| L19   | 2       | l18 and flip-flop.clm.                                                     | US-PGPUB; USPAT | OR               | OFF     | 2006/06/08 12:33 |

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| Ref # | Hits    | Search Query                                            | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|---------|---------------------------------------------------------|-----------------|------------------|---------|------------------|
| L1    | 2488    | 718/108,106,107.ccls. or 712/228,244, 229,219,218.ccls. | USPAT           | OR               | OFF     | 2006/06/08 12:23 |
| L2    | 3184    | 718/108,106,107.ccls. or 712/228,244, 229,219,218.ccls. | US-PGPUB; USPAT | OR               | OFF     | 2006/06/08 12:24 |
| L3    | 3435660 | @ad<"20001120" or @rlad<"20001120"                      | US-PGPUB; USPAT | OR               | OFF     | 2006/06/08 12:24 |
| L4    | 2378    | l3 and l2                                               | US-PGPUB; USPAT | OR               | OFF     | 2006/06/08 12:25 |
| L5    | 616     | l4 and Thread\$3                                        | US-PGPUB; USPAT | OR               | OFF     | 2006/06/08 12:25 |
| L6    | 25      | l4 and Thread\$3 and flip-flop                          | US-PGPUB; USPAT | OR               | OFF     | 2006/06/08 12:26 |
| L7    | 337     | l3 and l2 and (Multi-thread\$3 or multithread\$3)       | US-PGPUB; USPAT | OR               | OFF     | 2006/06/08 12:26 |
| L8    | 15      | l4 and l7 and flip-flop                                 | US-PGPUB; USPAT | OR               | OFF     | 2006/06/08 12:26 |

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| Ref # | Hits | Search Query                                                                         | DBs                                                         | Default Operator | Plurals | Time Stamp       |
|-------|------|--------------------------------------------------------------------------------------|-------------------------------------------------------------|------------------|---------|------------------|
| L1    | 3    | multi-functional with signal same flip-flop and (@ad<"20001120" or @rlad<"20001120") | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT;<br>IBM_TDB          | ADJ              | OFF     | 2006/06/08 11:28 |
| L2    | 210  | multi-functional with signal and (@ad<"20001120" or @rlad<"20001120")                | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT;<br>IBM_TDB          | ADJ              | OFF     | 2006/06/08 11:28 |
| L3    | 14   | (multi-bit or multiple bit)with (flip-flop or flip flop)and sun.as.                  | US-PGPUB;<br>USPAT                                          | ADJ              | OFF     | 2006/06/08 11:28 |
| L4    | 155  | (multi-bit or multiple bit)with (flip-flop or flip flop)                             | US-PGPUB;<br>USPAT                                          | ADJ              | OFF     | 2006/06/08 11:28 |
| L5    | 3    | multi-functional with flip-flop                                                      | USPAT                                                       | ADJ              | OFF     | 2006/06/08 11:29 |
| L6    | 8    | multi-functional with flip-flop                                                      | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ              | OFF     | 2006/06/08 11:29 |
| L7    | 19   | joy.in. and tremblay.in. and chamdani.in. and lauterbach.in.                         | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT                      | ADJ              | OFF     | 2006/06/08 11:31 |
| S1    | 2    | multi-functional with flip-flop                                                      | USPAT                                                       | ADJ              | OFF     | 2006/06/08 11:29 |
| S2    | 108  | (multi-bit or multiple bit)with (flip-flop or flip flop)                             | USPAT                                                       | ADJ              | OFF     | 2004/06/22 12:09 |
| S3    | 108  | multi-functional with signal                                                         | USPAT                                                       | ADJ              | OFF     | 2004/06/22 12:07 |
| S4    | 46   | multi-functional with signal                                                         | US-PGPUB                                                    | ADJ              | OFF     | 2005/12/02 11:19 |
| S5    | 4    | multi-functional signal                                                              | US-PGPUB                                                    | ADJ              | OFF     | 2004/06/22 12:33 |
| S6    | 4    | multi-functional signal                                                              | US-PGPUB;<br>IBM_TDB                                        | ADJ              | OFF     | 2004/06/22 12:09 |
| S7    | 0    | multi-functional signal                                                              | IBM_TDB                                                     | ADJ              | OFF     | 2004/06/22 12:09 |
| S8    | 0    | (multi-bit or multiple bit)with (flip-flop or flip flop)                             | IBM_TDB                                                     | ADJ              | OFF     | 2004/06/22 12:09 |
| S9    | 0    | multi-functional signal                                                              | EPO                                                         | ADJ              | OFF     | 2004/06/22 12:09 |
| S10   | 131  | multi-functional with signal                                                         | JPO;<br>DERWENT                                             | ADJ              | OFF     | 2004/06/22 12:30 |
| S11   | 0    | sun.as. and threading and multi-bit with flip flop                                   | JPO;<br>DERWENT                                             | ADJ              | OFF     | 2005/12/02 11:20 |
| S12   | 0    | sun.as. and threading and multiple bit with flip flop                                | JPO;<br>DERWENT                                             | ADJ              | OFF     | 2004/06/22 12:31 |

## EAST Search History

|     |     |                                                                                                                                                                                                                                      |                                                    |     |     |                  |
|-----|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----|-----|------------------|
| S13 | 0   | threading and multiple bit with flip flop                                                                                                                                                                                            | JPO;<br>DERWENT                                    | ADJ | OFF | 2004/06/22 12:31 |
| S14 | 128 | (multi-bit or multiple bit)with (flip-flop or flip flop)                                                                                                                                                                             | US-PGPUB;<br>USPAT                                 | ADJ | OFF | 2006/06/08 11:28 |
| S15 | 10  | (multi-bit or multiple bit)with (flip-flop or flip flop)and sun.as.                                                                                                                                                                  | US-PGPUB;<br>USPAT                                 | ADJ | OFF | 2006/06/08 11:28 |
| S16 | 5   | multi-functional signal                                                                                                                                                                                                              | US-PGPUB;<br>USPAT                                 | ADJ | OFF | 2004/06/22 12:34 |
| S17 | 1   | "6420903".pn.                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT                                 | ADJ | OFF | 2004/06/22 18:28 |
| S18 | 1   | "6420903".pn. and thread                                                                                                                                                                                                             | US-PGPUB;<br>USPAT                                 | ADJ | OFF | 2004/06/22 18:31 |
| S19 | 1   | "6420903".pn. and header                                                                                                                                                                                                             | US-PGPUB;<br>USPAT                                 | ADJ | OFF | 2004/06/22 18:34 |
| S20 | 0   | "6420903".pn. and modes                                                                                                                                                                                                              | US-PGPUB;<br>USPAT                                 | ADJ | OFF | 2004/06/22 18:34 |
| S21 | 0   | "6420903".pn. and mode                                                                                                                                                                                                               | US-PGPUB;<br>USPAT                                 | ADJ | OFF | 2004/06/23 17:45 |
| S22 | 1   | "6420903".pn. and scan                                                                                                                                                                                                               | US-PGPUB;<br>USPAT                                 | ADJ | OFF | 2004/06/23 17:46 |
| S23 | 335 | multi-functional with signal                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2005/12/02 11:35 |
| S24 | 0   | S23 and sun.as.                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2005/12/02 11:20 |
| S25 | 9   | sun.as. and threading and multi-bit with flip flop                                                                                                                                                                                   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2005/12/02 11:22 |
| S26 | 10  | ("6341347" "6351808" "6420903" "6433603" "6507862").PN.                                                                                                                                                                              | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2005/12/02 11:22 |
| S27 | 18  | ("3862440"   "4827157"   "5377158"   "5424654"   "5426380"   "5612632"   "5646557"   "5655113"   "5793236"   "5825224"   "5838631"   "5844844"   "5861761"   "5880608"   "5886904"   "6211713"   "6225847").PN. OR ("6433603").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                       | OR  | OFF | 2005/12/02 11:26 |

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|     |     |                                                                                      |                                                    |     |     |                  |
|-----|-----|--------------------------------------------------------------------------------------|----------------------------------------------------|-----|-----|------------------|
| S28 | 10  | ("5426380").URPN.                                                                    | USPAT                                              | OR  | OFF | 2005/12/02 11:31 |
| S29 | 203 | multi-functional with signal and (@ad<"20001120" or @rlad<"20001120")                | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2006/06/08 11:28 |
| S30 | 3   | multi-functional with signal same flip-flop and (@ad<"20001120" or @rlad<"20001120") | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2006/06/08 11:28 |
| S31 | 1   | "6433603".pn. and "1014"                                                             | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2005/12/02 12:55 |
| S32 | 1   | "6433603".pn. and "1014" and header                                                  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2005/12/02 12:58 |
| S33 | 5   | singh.in. and flip-flop                                                              | EPO;<br>DERWENT                                    | ADJ | OFF | 2005/12/02 12:58 |
| S34 | 1   | "20030014612"                                                                        | US-PGPUB;<br>USPAT                                 | ADJ | OFF | 2005/12/02 14:47 |
| S35 | 1   | "20030014612"                                                                        | EPO;<br>DERWENT                                    | ADJ | OFF | 2005/12/02 14:52 |
| S36 | 562 | joy.in. and tremblay.in. or chamdani.in. or lauterbach.in.                           | EPO;<br>DERWENT                                    | ADJ | OFF | 2005/12/02 14:52 |
| S37 | 7   | joy.in. and tremblay.in. and chamdani.in. and lauterbach.in.                         | EPO;<br>DERWENT                                    | ADJ | OFF | 2006/06/08 11:30 |
| S38 | 1   | joy.in. and tremblay.in. and chamdani.in. and lauterbach.in.                         | EPO                                                | ADJ | OFF | 2005/12/02 15:04 |